

24 AIA/CES



Revit Architecture Advanced

Course Description

This course covers a wide range of advanced topics that continue to build on the concepts introduced in the Revit Architecture course. Students learn about site design, advanced rendering techniques, phasing and design options, creating families of custom components, and project collaboration.

The doors open at 8:45 a.m. Class begins at 9:00 a.m. and ends at 5:00 p.m. with two fifteen minutes breaks and a one hour lunch. We have bagels and coffee served in the morning upon arrival. A book and a certificate of completion are included in this fee.

Objectives

The primary objective of this course is to teach students the powerful tools and advanced techniques used in Revit Architecture.

After completing this course, students will be able to:

- Use the conceptual massing tools
- Create custom families and in-place components
- Collaborate with other team members on a Revit project
- Create professional-looking renderings.

Who Should Attend

This course is designed for experienced users of Revit Architecture.

Prerequisites

Before attending this course, students should have a working knowledge of the following:

- Students should have completed the *Revit Architecture* course or have equivalent experience using Revit Architecture.
- Architectural design, drafting, or engineering principles.
- Microsoft Windows

Course Outline

Importing and Exporting Files

- Importing and Using Non-Revit Files
- Exporting to External Files

Linking Files

- Working with Revit Architecture Linked Files
- Monitor and Coordinate Linked Projects

Conceptual Design

- Working with Mass Shapes
- Converting Mass Shapes to Building Components

Creating Advanced Components

- Creating and Using In-Place Families
- Creating and Modifying Parametric Families
- Creating Nested Families
- Working with Component Groups

Design and Analysis

- Designing in Phases
- Using Design Options
- Checking and Fixing Interference Conditions

Revit Architecture Worksharing

- Managing Project Sharing with Worksets
- Managing Worksets and Multiple Users

Working with Professionals

- Working with a Civil Engineer on Site Design
- Working with a Structural Engineer

Advanced Rendering

- Creating Realistic Presentations
- Creating Rendered Interior Scenes

Note: The suggested course duration is a guideline. Course topics and duration may be modified by the instructor based upon the knowledge and skill level of the course participants